

From: Jerriann Ernstsens
To: Charles Reynolds
Date: 8/20/03 8:28AM
Subject: Fwd: Re: Canyon Sweetvetch

Angela,
Please copy this to our official files for Bear Canyon.

Charles,
I wrote Susan Meyer about proper procedure for the sweetvetch planting. Here is her response. Please follow her recommendations. Before you plant, make sure you call the Division about 2 weeks prior to let us know. One of the members of the team will plan to be onsite.

If you have any questions, please call Jerriann at 538-5214.

Thank you,

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CC: Angela Nance

From: "Susan Meyer" <semeyer@xmission.com>
To: "Jerriann Ernstsens" <jerriannernstsens@utah.gov>
Date: 8/14/03 10:45AM
Subject: Re: Canyon Sweetvetch

Hi Jerriann

Hey, good to hear from you. I wondered where you would end up when you told me you were looking for a new job.

On the sweetvetch planting, I think the plan should work well, as long as the seeds are actually planted into the topsoil stockpile and not just scattered on the surface. Sweetvetch seeds are quite large and would not come well from surface planting--plus they might be hauled off by seed predators if they were left on the surface. I've never worked with this species, but I know that seeds of *H. boreale* can persist a long time in the seed bank, and I expect this one is similar,--this makes them good candidates for an approach emphasizing moving the seed bank along with the topsoil, no matter what time of year the pile is moved. Many other species with transient seed banks would be less successful using this approach, unless the topsoil were moved in late summer when seeds of even the transient seed bank species would be in the seed bank. Do you know if they are planning on threshing the seeds out of their laments before planting? They can germinate either way---the only advantage to threshing them is that then you can see how much good seed you really have. The seeds inside the laments are often damaged by insects, and this is not readily apparent unless they are threshed. If the lot happened to be badly damaged, they might get no emergence and not really know why.

It's actually part of my job to help people with questions like these. Please feel free to ask me any time!

Cordially
Susan